

# Converting Colors

Yxy(60.7594, 0.2961, 0.3027)



Have a look what the booklet for  
Yxy(60.7594, 0.2961, 0.3027)  
contains.

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# Color

**Yxy(60.7594, 0.2961, 0.3027)**



# Conversions

Conversions Part 1	
Format	Color
Hex	CACBE2
RGB	202, 203, 226
RGB Percent	79%, 80%, 89%
CMY	0.2079, 0.2039, 0.1138
CMYK	0.11, 0.10, 0.00, 0.11
HSL	237°, 29%, 84%
HSV	237°, 11%, 89%
XYZ	59.4346, 60.7594, 80.5308
YIQ	205.3230, -7.9790, 6.9410



# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">202, 203, 226</a>
Decimal	<a href="#">13290466</a>
CIELab	<a href="#">82.25, 4.08, -11.47</a>
CIELCh	<a href="#">82, 12.177, 289.568</a>
Yxy	<a href="#">60.7594, 0.2961, 0.3027</a>
Android (android.graphics.Color)	<a href="#">4291480546</a> (0xFFCACBE2)
YUV	<a href="#">205.3230, 10.1938, -2.9143</a>
Hunter-Lab	<a href="#">77.9483, -0.3055, -6.6905</a>



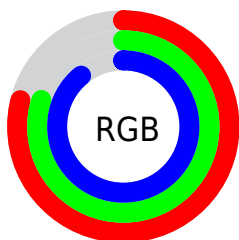
# Details

The Yxy color `60.7594, 0.2961, 0.3027` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `74.2532, 0.3286, 0.3540`, and the grayscale version is `61.2038, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `30.7311, 0.2917, 0.2958` is the 20% darker color. If you saturate the color by 10%, you get `48.3231, 0.2784, 0.2745`, and if you desaturate by 10%, it is `75.0877, 0.3118, 0.3276`.



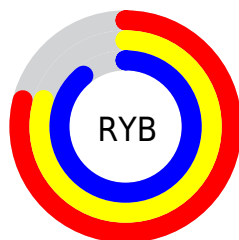
# Distribution



Red (79%)

Green (80%)

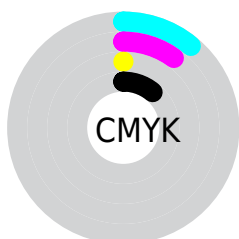
Blue (89%)



Red (79%)

Yellow (80%)

Blue (89%)

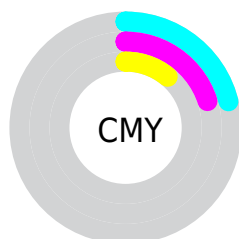


Cyan (11%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (21%)

Magenta (20%)

Yellow (11%)




# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7594, 0.2961, 0.3027 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 60.7594, 0.2961, 0.3027 by changing the saturation by 10% instead.




 60.7594, 0.2961,  
0.3027

 60.7594, 0.2961,  
0.3027

427.3913, 0.3041,  
0.3151

 44.0310, 0.2942,  
0.2998


105.9305, 0.2989,  
0.3071

 30.6949, 0.2918,  
0.2962


135.1420, 0.3000,  
0.3087

 20.3666, 0.2888,  
0.2915


169.2833, 0.3009,  
0.3102

 12.6618, 0.2847,  
0.2854

208.7389, 0.3017,  
0.3114

 7.1961, 0.2789,  
0.2769

253.8931, 0.3024,  
0.3125

 3.5850, 0.2702,  
0.2642

305.1303, 0.3030,

 1.4443, 0.2557,



0.3135

0.2437

362.8349, 0.3036,  
0.3144

0.2490, 0.2022,  
0.1498

0.0000, 0.0000,  
0.0000

60.7594, 0.2961,  
0.3027

60.7594, 0.2961,  
0.3027

48.3231, 0.2784,  
0.2745

75.0877, 0.3118,  
0.3276

37.6925, 0.2590,  
0.2433

91.3742, 0.3256,  
0.3492

28.7859, 0.2382,  
0.2097

98.2698, 0.3298,  
0.3572

21.5125, 0.2170,  
0.1751



■ 15.7730, 0.1966,  
0.1414

■ 11.4576, 0.1785,  
0.1112

■ 8.4415, 0.1644,  
0.0869

■ 6.5786, 0.1551,  
0.0703

■ 5.6999, 0.1506,  
0.0621



# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.7594, 0.2860, 0.3056



60.7594, 0.2961, 0.3027



60.7594, 0.3109, 0.3065



# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



60.7594, 0.2961, 0.3027



60.7594, 0.3435, 0.3420



60.7594, 0.2988, 0.3426



# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



60.7594, 0.2961, 0.3027



74.2532, 0.3286, 0.3540



# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.7594, 0.3140, 0.3530



60.7594, 0.2961, 0.3027



60.7594, 0.3400, 0.3522



# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.7594, 0.2961, 0.3027



60.7594, 0.3386, 0.3287



60.7594, 0.3291, 0.3564



60.7594, 0.2875, 0.3284



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.7594, 0.2961, 0.3027



60.7594, 0.3215, 0.3123



60.7594, 0.3291, 0.3564



60.7594, 0.3036, 0.3467



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



60.7619, 0.2961, 0.3027



93.9946, 0.3082, 0.3219



72.3600, 0.2972, 0.3303



19.7836, 0.3070, 0.3199



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290







# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.7619, 0.2961, 0.3027



75.6455, 0.2919, 0.2961



61.8373, 0.3040, 0.3022



13.3369, 0.2981, 0.3058



3.2962, 0.1508, 0.0628



0.2622, 0.1531, 0.0710





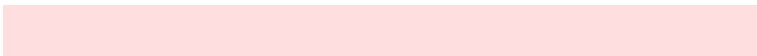


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



62.7116, 0.3308, 0.3279



78.7652, 0.3356, 0.3276



73.1195, 0.3207, 0.3557



13.7100, 0.3285, 0.3280



9.2408, 0.6353, 0.3273



0.6439, 0.6216, 0.3198

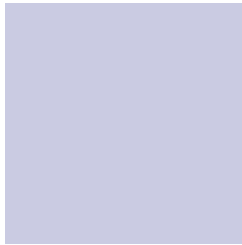






# Previews

## White Background



This preview shows how the Yxy color 60.7594, 0.2961, 0.3027 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

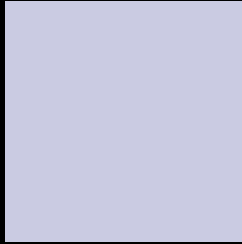
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.7594, 0.2961, 0.3027 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

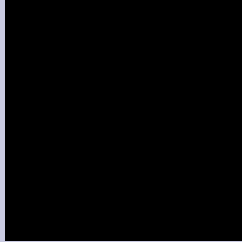
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



**Yxy 60.7594, 0.2961, 0.3027**

## Background



This preview shows how black text looks on a background with the Yxy color 60.7594, 0.2961, 0.3027.



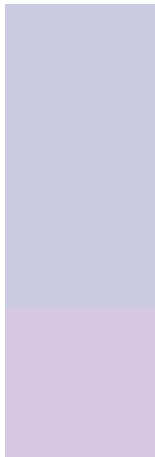
This preview shows how white text looks on a background with the Yxy color 60.7594, 0.2961, 0.3027.



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

60.7594, 0.2961, 0.3027

### Protanopia

60.7594, 0.2961, 0.3027

### Deuteranopia

60.6890, 0.3043, 0.2977





## Tritanopia

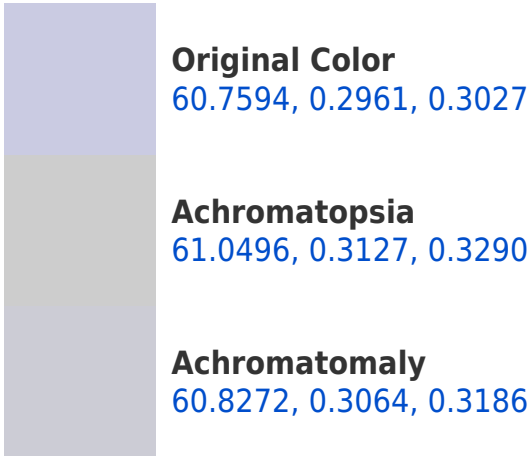
60.7705, 0.2994, 0.3105



# Trichromacy



# Monochromacy





# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.7594, 0.2961, 0.3027 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(202, 203, 226) looks like.

```
.text, #text, p{  
    color:rgb(202, 203, 226)  
}
```



If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(202, 203, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 203, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 60.7594, 0.2961, 0.3027 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 203, 226) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(202, 203, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(202, 203, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 203, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 203, 226);  
box-shadow:4px 4px 4px 4px rgb(202, 203,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.7594, 0.2961, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 203, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(202,  
203, 226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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